

Math 3113 - Multivariable Calculus

Quiz #2 - 2006.01.27

Name: _____

Let $\vec{a} = \langle 3, 2, 4 \rangle$, $\vec{b} = \langle 1, -2, -3 \rangle$ and $\vec{c} = \vec{a} \times \vec{b}$.

1. What are the actual values of the components of the vector \vec{c} ?

2. Compute $|\vec{b}|$.

3. Compute $\vec{a} \cdot \vec{c}$.

4. Does your answer to problem 3 agree with your answer to problem 1? Explain your answer.